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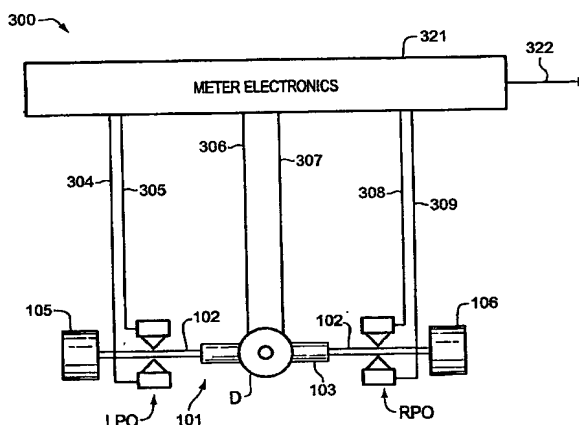
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[Continued on next page]

(54) Title: **LOW MASS CORIOLIS MASS FLOWMETER HAVING A LOW MASS DRIVE SYSTEM**



(57) Abstract: A Coriolis mass flowmeter (300) having a low mass drive system comprising a driver coil (D) for vibrating flow tube means (102). The Coriolis mass flowmeter does not use a magnet affixed to the flow tube means. Instead, the flow tube means is coated with or is integral to magnetic material (103) that responds to the magnetic fields generated by the driver coil to vibrate the flow tube means. The flow tube means may comprise one (102) or more (1402C1, 1402C2) flow tubes. The magnetic material may be ferrous material devoid of an internal magnetic field. Alternatively the magnetic material may be steel or stainless steel having internal magnetic fields.



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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 4 777 833 A (CARPENTER BRENT L) 18 October 1988 (1988-10-18) column 6; figure 2	1-3, 15, 16
X	US 4 949 583 A (LANG MICHAEL ET AL) 21 August 1990 (1990-08-21) column 6; figure 2	1, 14, 17
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